

What is claimed is:

1. A method for manufacturing a cast brake disk (2) including the following steps:
  - at least two pairs of bodies (8, 10, 26) inserted into one another and movable with respect to one another along an axis are placed in a casting core;
  - the bodies inserted into one another are placed in such a way that their axis of movement runs largely radially with respect to the brake disk;
  - the casting core is placed in a casting mold;
  - the casting mold is filled with a liquid metal;
  - the core is removed from the solidified cast brake disk (2),wherein the bodies (8, 10, 26) inserted into one another remain as joining elements between a brake disk chamber (4) and a friction ring (6).
2. The method as recited in Claim 1,  
wherein the brake disk chamber (4) and the friction ring (6) are cast in the composite casting in a casting process.
3. The method as recited in Claim 1 or Claim 2,  
wherein
  - the brake disk chamber (4) and the friction ring (6) are joined via a bridge (12) during casting, and
  - the bridge (12) is removed from the solidified brake disk (2).
4. The method as recited in Claim 1 or Claim 2,  
wherein
  - the brake disk chamber and the friction ring are filled separately via at least one gate, and
  - are separated from one another by the core and the bodies inserted into one another.

5. The method as recited in one of Claims 1 through 4,  
wherein the bodies (8, 10, 26) inserted into one another are placed in a core box and  
subsequently a core sand is shot in, the bodies (8, 10, 26) inserted into one another being  
surrounded at least partially by a core (14).
6. A brake disk made of a cast material having a brake disk chamber (4) and a friction ring  
(6),  
wherein
  - the brake disk chamber (4) and the friction ring (6) are joined via bodies (8, 10, 26)  
inserted into one another;
  - and the bodies (8, 10, 26) inserted into one another are axially movable with respect to  
one another;
  - the longitudinal axis of the bodies (8, 10, 26) inserted into one another is positioned  
largely radially with respect to the brake disk chamber (4) and friction ring (6),  
wherein the brake disk chamber (4) is joined to one of the bodies (8, 10, 26) inserted into  
one another, and the friction ring is joined to the other one of the bodies (8, 10, 26)  
inserted into one another.
7. The brake disk as recited in Claim 6,  
wherein the bodies (8, 10, 26) inserted into one another are cast into the brake disk.
8. The brake disk as recited in Claim 6 or Claim 7,  
wherein the bodies (8, 10, 26) inserted into one another are formed by two bushings (8,  
10) or a bushing (8) and a bolt (26).